

Date: Thursday, 08/05/2008 11:59:59 AM
 User: Julie Lecocq

Process Sheet

Customer :	CU-DAR001 Dart Helicopters Services	Drawing Name :	SADDLE FITTING, FWD (OUTBOARD/INBOARD)
Job Number :	39123		
Estimate Number :	10531		
P.O. Number :		Part Number :	D2572
This Issue :	08/05/2008	S.O. No. :	
Prsht Rev. :	NC	Drawing Number :	D2572 REV E
First Issue :	/ /	Project Number :	N/A
Previous Run :	39122	Drawing Revision :	E
	Type :	Material :	
	MACHINED PARTS	Due Date :	30/05/2008
Written By :		Qty:	8 Um: Each
Checked & Approved By :	JUL 08. S. 08		
Comment :	Est: I 02.10.02 Re-format; Change to Dwg Rev. D & incorporated D2572KJ		

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	D6101005	Saddle Billet
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Comment: Qty.: 1.0000 Each(s)/Unit Total : 6.0000 Each(s)
 7075-T7351 8.25X5.0X2.5
 Make from D6101-005 billet for D2572
 Ensure that grain is along 5.00" length
 Batch No: B34874

28 08/05/13 (8)

2.0	HAAS1	HAAS CNC VERTICAL MACHINING #1
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Comment: HAAS CNC VERTICAL MACHINING #1
 Program Batch No. 28 Double check by: _____

1-Machine Step No 1 per Folio FA051 and inspect per attached Dimension Sheets
 2-Machine Step No 2 per Folio FA051 and inspect per attached Dimension Sheets
 3-Machine Step No 3 per Folio FA051 and inspect per attached Dimension Sheets
 4-Deburr and remove all machining marks
 5-Tumble to remove shap edges.

DJP 08/05/15 / 28 08/05/13 (8)

3.0	MILLING CONV.	CONVENTIONAL MILLING MACHINE
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Comment: CONVENTIONAL MILLING MACHINE
 Machine keyway as per dwg D2571 & D2572

DJP 08/05/15

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Thursday, 08/05/2008 11:59:59 AM
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Customer: CU-DAR001 Dart Helicopters Services

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Job Number: 39123

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Job Number:



Seq. #:

Machine Or Operation:

Description :

4.0

QC2

INSPECT PARTS AS THEY COME OFF MACHINE



Comment: INSPECT PARTS AS THEY COME OFF MACHINE

LB 08/05/18

5.0

QC8

SECOND CHECK



Comment: SECOND CHECK

J.F. 08/05/18 (8)

6.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: HAND FINISHING RESOURCE #1

Acid etch and Alodine as per QSI 005 4.1

W/BR 08-05-20 (8)

7.0

POWDER COATING

POWDER COATING



Comment: POWDER COATING

Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3

START TIME:

OVEN TEMPERATURE:

FINISH TIME:

11:15am

320 OF

11:45am

M-F 08/05/20 (8X)

8.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT

FL 08/05/20 (8)

9.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location:

57432

08/05/20 (8)

10.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

08/05/20

Job Completion



MF 08-05-20

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

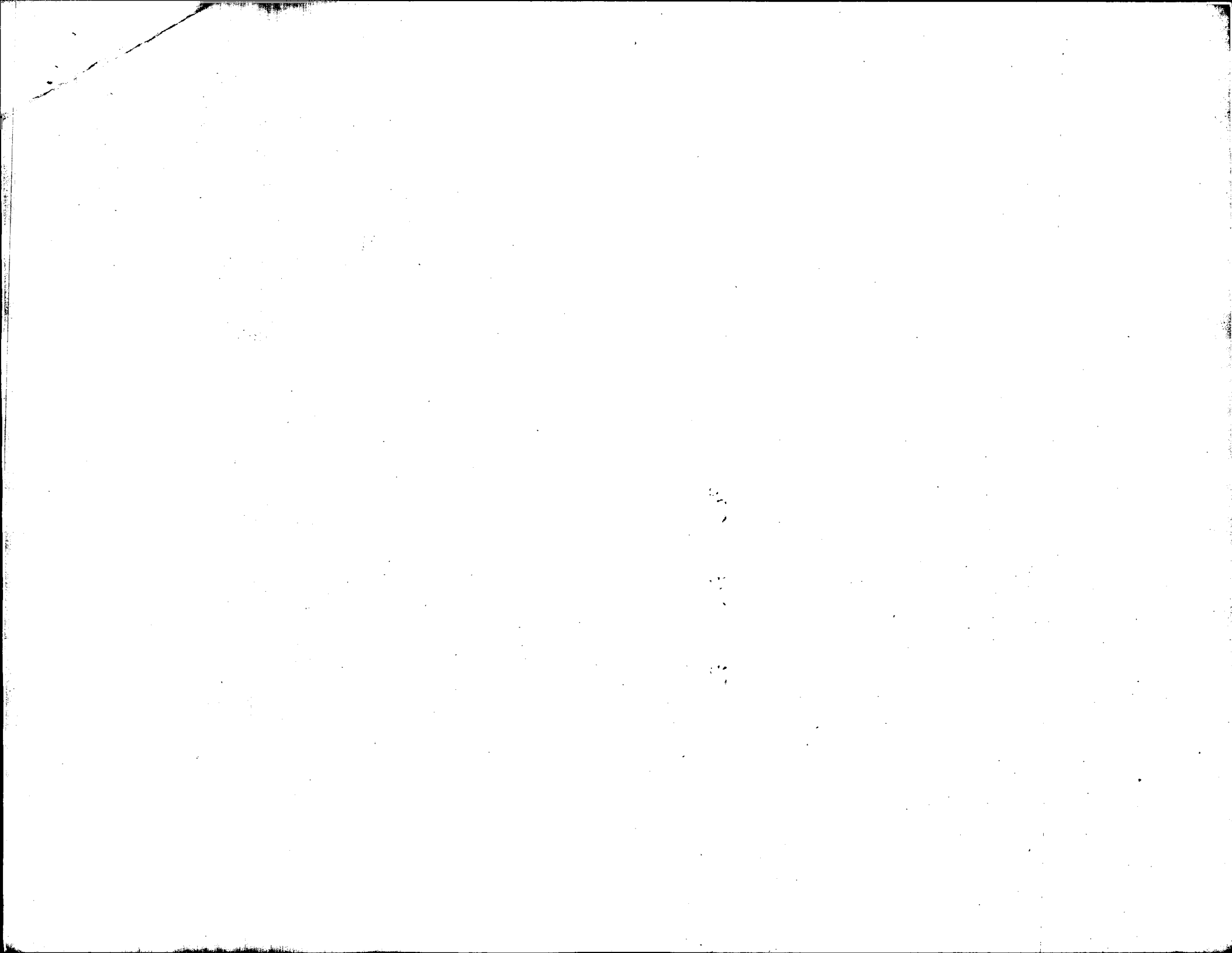
DART AEROSPACE LTD	Work Order: 39123
Description: Saddle, Fwd Inboard	Part Number: D2572
Inspection Dwg: D2572 Rev. E	Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2572 Rev. E and record below:

				Recorded Actual Dimensions					
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	By	Date
A	0.438	0.443		.442	0.442	0.443	0.443		
B	1.745	1.755		1.750	1.747	1.748	1.748		
C	3.495	3.505		3.500	3.498	3.499	3.498		
D	1.745	1.755		1.750	1.748	1.750	1.749		
E	7.990	8.010		8.002	7.999	7.999	8.000		
F	0.490	0.510		.500	0.495	0.499	0.498		
G	0.257	0.262		.258	.258	.258	.253		
H	0.375	0.380		.375	.377	.377	.377		
I	0.490	0.510		.505	.500	0.5035	0.5035		
J	1.174	1.184		1.179	1.179	1.179	1.179		
K	0.558	0.578		.570	.570	0.570	0.570		
L	1.174	1.184		1.179	1.179	1.179	1.179		
M	1.490	1.500		1.495	1.495	1.495	1.495		
N	2.495	2.505		2.500	2.500	2.500	2.500		
O	3.869	3.879		3.874	3.874	3.875	3.875		
P	0.115	0.135		.120	.120	.122	.122		
Q	0.115	0.135		.135	.135	0.135	0.135		
R	0.240	0.260		.254	.250	.254	.255		
S	0.115	0.135		.115	.115	0.122	0.121		
T	0.178	0.198		.188	.184	.188	.184		
U	2.940	2.980		2.960	2.961	2.961	2.960		
V	0.230	0.250		.240	.241	0.237	0.237		
W	0.115	0.135		.127	0.120	0.123	0.121		
X	0.307	0.312		0.311	.309	.309	.309		
Y	0.760	0.765		0.760	.760	.760	.760		
Z	0.352	0.372		.358	0.358	0.363	0.3615		
AA	0.470	0.530		.500	.500	.500	.500		
AB	0.615	0.635		.625	0.623	0.621	0.625		
AC	0.053	0.073		.063	.063	0.063	0.063		
AD	0.240	0.260		.250	.250	.250	.250		
AE	1.375	1.395		1.385	1.387	1.388	1.3895		
AF	0.115	0.135		.135	.135	0.135	0.135		
AG	0.240	0.280		.260	.260	.260	.260		
AH	0.240	0.260		0.250	.250	0.244	0.248		
AI	2.000	2.020		2.002	2.002	2.005	2.0075		
AJ	0.023	0.043		0.033	0.033	.033	.033		
Accept/Reject									

Measured by: <i>DTJ</i>	Audited by: <i>J.F.</i>
Date: 08/05/14/08/06/15	Date: 08/05/18

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.09.24	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	



DART AEROSPACE LTD	Work Order: 39123
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Inspect dimensions highlighted on inspection sheet drawing D2572 Rev. E and record below:

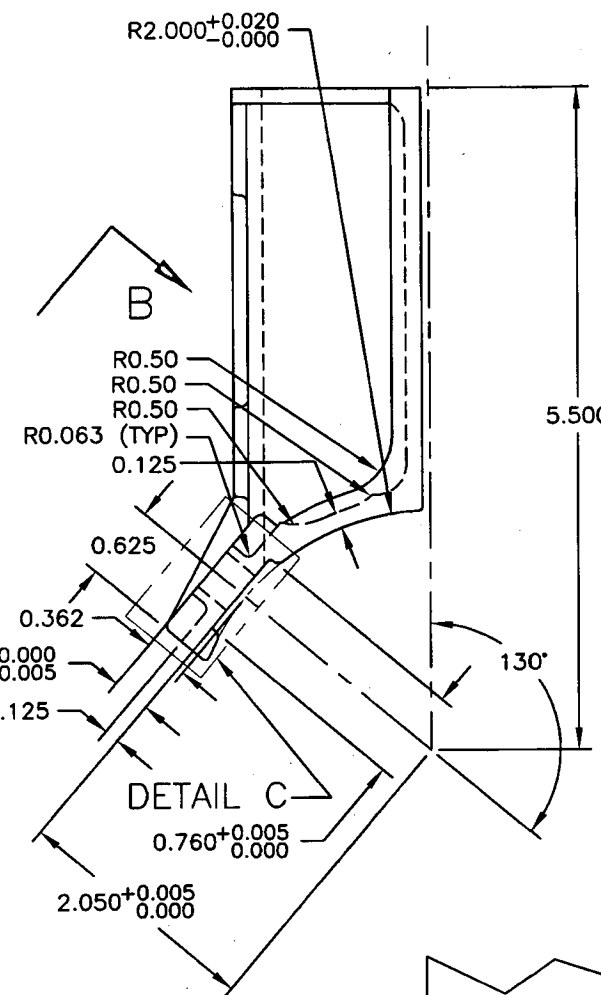
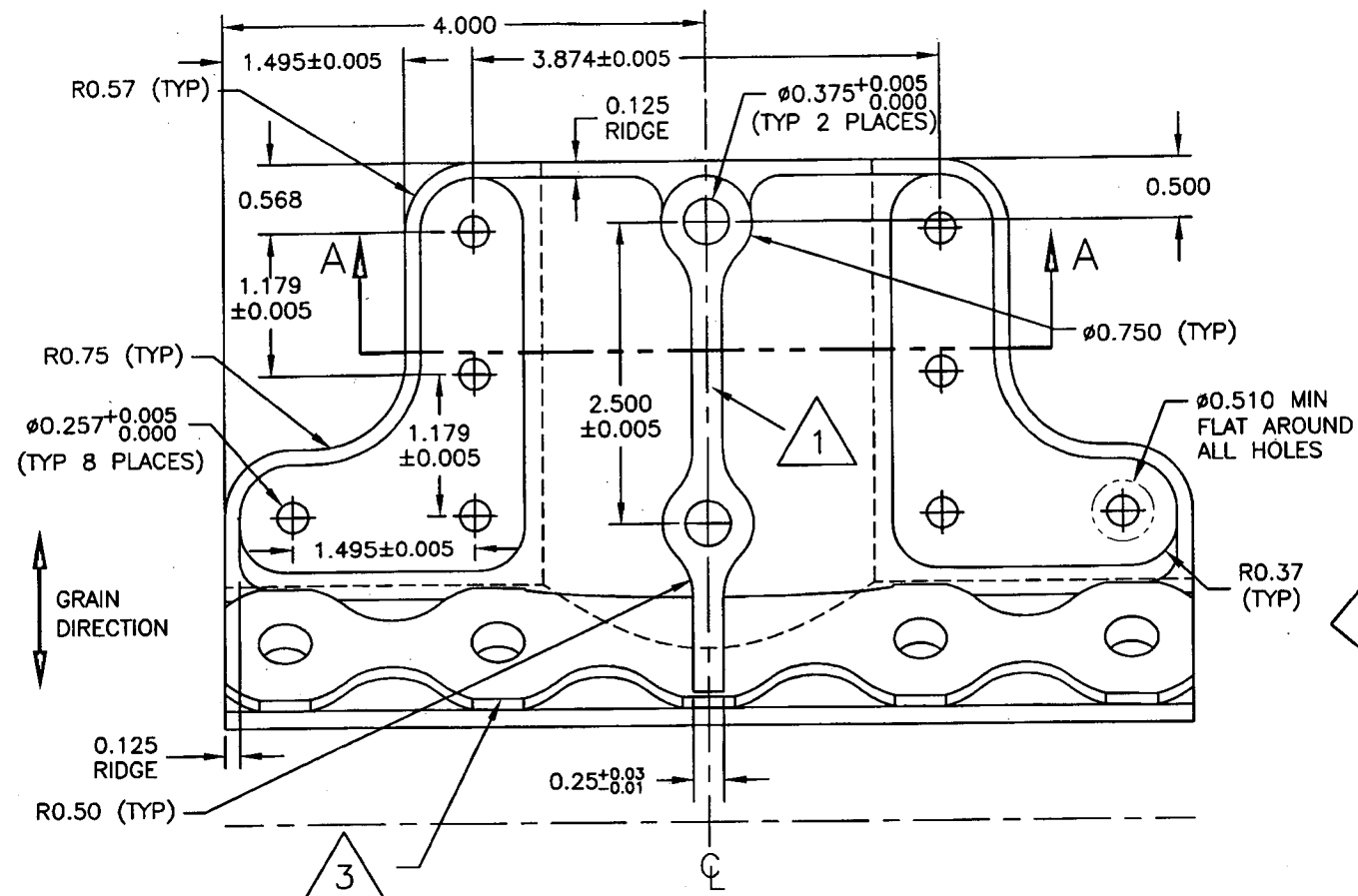
				Recorded Actual Dimensions				By	Date
Dim	Min	Max	Go/No Go Gauge	5	6	7	8		
A	0.438	0.443		0.443	0.443	0.443	0.443		
B	1.745	1.755		1.750	1.750	1.750	1.750		
C	3.495	3.505		3.499	3.499	3.500	3.500		
D	1.745	1.755		1.749	1.750	1.750	1.750		
E	7.990	8.010		8.000	8.000	8.00	8.000		
F	0.490	0.510		0.499	0.497	0.4995	0.499		
G	0.257	0.262		0.259	0.259	0.259	0.259		
H	0.375	0.380		0.378	0.378	0.378	0.378		
I	0.490	0.510		0.502	0.502	0.502	0.503		
J	1.174	1.184		1.179	1.180	1.179	1.179		
K	0.558	0.578		0.570	0.570	0.570	0.570		
L	1.174	1.184		1.179	1.179	1.179	1.179		
M	1.490	1.500		1.499	1.500	1.500	1.499		
N	2.495	2.505		2.500	2.498	2.499	2.498		
O	3.869	3.879		3.875	3.875	3.874	3.874		
P	0.115	0.135		0.119	0.119	0.122	0.122		
Q	0.115	0.135		0.135	0.135	0.135	0.135		
R	0.240	0.260		0.251	0.251	0.255	0.255		
S	0.115	0.135		0.130	0.128	0.130	0.131		
T	0.178	0.198		0.188	0.188	0.188	0.188		
U	2.940	2.980		2.960	2.960	2.957	2.958		
V	0.230	0.250		0.239	0.239	0.239	0.239		
W	0.115	0.135		0.125	0.124	0.125	0.124		
X	0.307	0.312		.309	.309	.309	.309		
Y	0.760	0.765		.760	.760	.760	.760		
Z	0.352	0.372		0.363	0.364	0.364	0.364		
AA	0.470	0.530		0.500	0.500	0.500	.500		
AB	0.615	0.635		0.626	0.6245	0.624	0.6245		
AC	0.053	0.073		0.063	0.063	0.063	0.063		
AD	0.240	0.260		0.248	0.247	0.248	0.249		
AE	1.375	1.395		1.3885	1.3885	1.3885	1.388		
AF	0.115	0.135		0.135	0.135	0.135	0.135		
AG	0.240	0.280		0.260	0.260	0.260	0.260		
AH	0.240	0.260		0.251	0.250	0.250	0.251		
AI	2.000	2.020		2.0065	2.005	2.007	2.007		
AJ	0.023	0.043							
Accept/Reject									

Measured by: <u>DJP</u>	Audited by: <u>J.F.</u>
Date: <u>08/05/15</u>	Date: <u>08/05/18</u>

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A		New Issue	RF	
B	02.09.24	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	

RELEASED

05.12.06

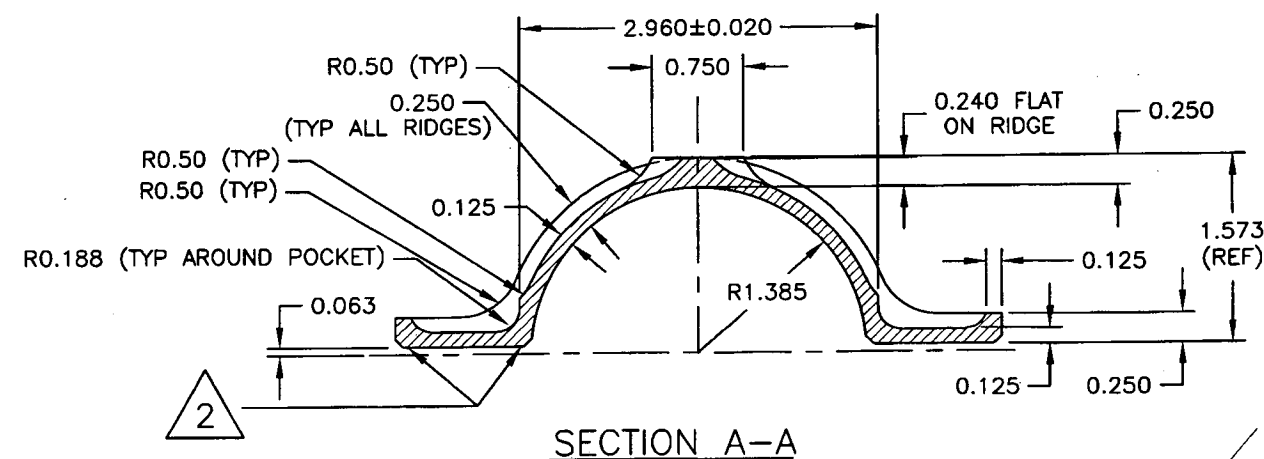


NOTES

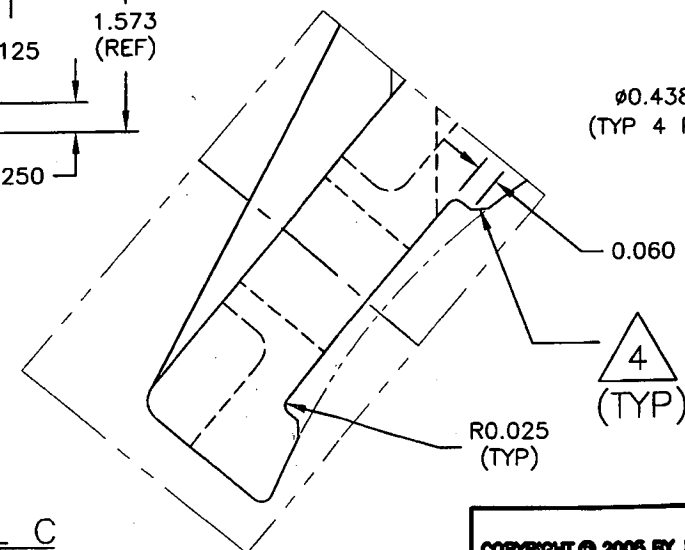
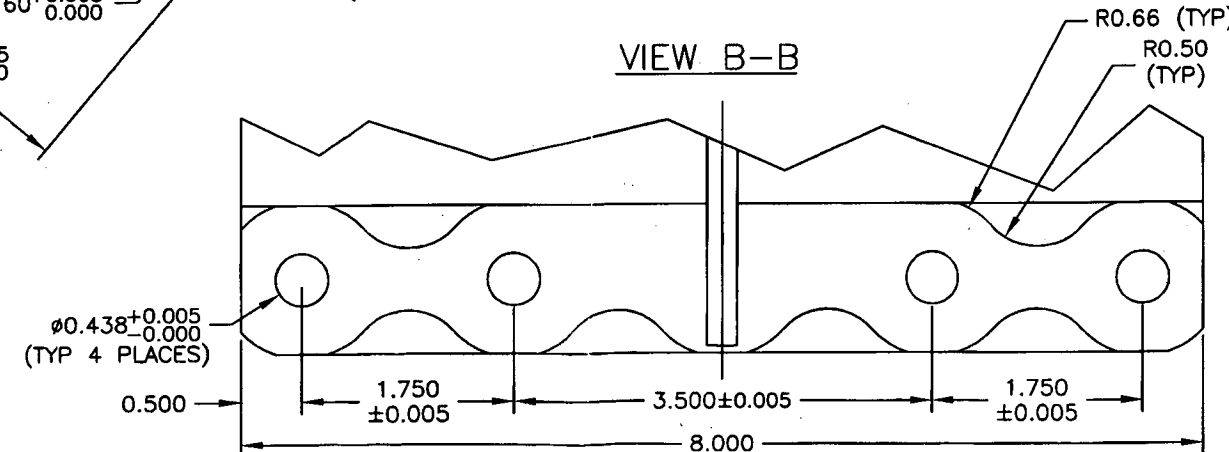
MATERIAL: 7075-T7351 (QQ-A-250/12)
(REF DART SPEC. D6102-003)
FINISH: ACID ETCH, ALODINE PER DART QSI 005 4.1
POWDER COAT GLOSS WHITE (REF 4.3.5.1) PER DART QSI 005 4.3
BREAK ALL SHARP EDGES 0.010 TO 0.020
TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

- 1 ENGRAVE PART AND BATCH NUMBER IN THIS AREA TO MAX DEPTH OF 0.010
- 2 CHAMFER 0.063" x 45° AROUND THIS SURFACE (TYPICAL 2 PLACES)
- 3 CHAMFER 0.063 x 45° ALL AROUND
- 4 CHAMFER 0.033 x 45° (SEE DETAIL C)

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 39123
E



SECTION A-A



DETAIL C
SCALE 2:1

E	05.07.13	ADD CHAMFER ON RIDGE NOTE 4
D	02.09.06	ADD RIDGES; TIGHTEN TOLERANCES
C	99.10.22	INCP. DEO 9123/9079/9102 ADD DIMENSIONS PER TSR A1177
B	96.12.02	ADD GRAIN DIR., 0.438 WAS 0.425
A	96.09.16	NEW ISSUE

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DART AEROSPACE LTD.

DESIGN DS	DRAWN BY PH	DART	DART AEROSPACE LTD. HAWKESBURY, ONTARIO, CANADA
CHECKED [Signature]	APPROVED [Signature]	DRAWING NO. D2572	REV. E SHEET 1 OF 1
DATE 05.07.13	TITLE INNER FWD SADDLE	SCALE 2:3	